

## **Procurement Statement for the Purchase of Thermocouple Feed-thru/Cable Assemblies**

### **1.0 Introduction**

This procurement statement covers the purchase of thermocouple feed-thru/cable assemblies to be installed at the Space Power Facility (SPF) to provide facility wiring and vacuum feed-thru's for 500 type T thermocouples. Since these assemblies will be used to carry critical data and be part of a permanent installation with a long-term projected usage, product quality and durability are of paramount importance, and will weigh heavily in vendor selection.

### **2.0 Order Description**

Item 1: 25ea- Thermocouple Feed-thru/Cable Assembly w/protection cap per attached drawing 1411-00041577

Item 2: 25ea- Mating Connector (high vacuum side) per attached drawing 1411-00041577

Preferred Delivery Schedule: 8-12 weeks AAO with first unit delivered 2-4 weeks AAO for NASA checkout and trial fit. Other delivery schedules will be considered.

### **3.0 Technical Specifications**

The specifications are given in attached drawing 1411-00041577.

### **4.0 Proposals**

Each vendor's proposal shall include drawings or sketches and a narrative describing their proposed feed-thru assembly designs. Any specific exceptions to the stated requirements shall be identified in the vendor's proposal along with supporting justification for the exceptions taken.

### **5.0 Deliverables**

In addition to the items specified in drawing 1411-00041577 note 4, and before fabrication begins, the successful vendor shall send NASA detailed drawings of the feed-thru/cable assembly including details of the bulkhead connector/hermetic seal and the hermetic wire feed-thru, for NASA's approval.

### **6.0 Warranty**

The products shall be free of defects in materials and workmanship for a period of twelve (12) months from the date of shipment.